

3G Thermo Interior

Excellent quality, heat-insulating paint



10.2022 V.01

Third generation and advanced technological composition water-based functional coating for interior surfaces. Designed to contribute to thermal comfort as well as the energy upgrade of the areas in which it is applied. Although technologically advanced, it can be applied by the individual user, ensuring perfect quality and functional results. The main goal of product design is the energy upgrade of the area. It also contributes to the saving of energy resources and especially in areas that do not have any insulation at all. The energy upgrade is achieved due to the reduced heat loss from the surfaces to which it has been applied. Through this process we can achieve a better thermal comfort, thus improving the microclimate of the area and consequently our living in it.



Stir well before use



Coverage:
8 -10m²/ lt



Drying time:
Touch dry: ½- 1h.



Thinning
with water at a percentage of 15-20% by volume



Paint:
Roller



Paint:
Brush

Product Characteristics

- Energy upgrade of the interior area where it is applied as it reduces heat loss from the surface having as a main advantage the saving of energy resources. It therefore improves the efficiency of cooling and heating and helps in reducing energy cost.
- Achieves better thermal comfort in the area where it is applied without many and abrupt temperature changes.
- Prevents condensation of water vapor on the surface and inhibiting the formation of fungi and mold.
- Improves acoustics in the area where it is applied, has soundproofing properties, helping to reduce the transmission of sound.
- Allows the surface to breathe.
- The product does not replace traditional insulation systems, but it can also contribute to an energy upgrade at a low cost to the end user. It can be used both on new surfaces after their proper preparation but also on already painted surfaces with emulsion or acrylic paints.
- For maximum results, at least 3 coatings are recommended.
- In case of repainting the product with common emulsion or acrylic paints, the product loses some of its properties.
- Due to the reflectivity and the special micro roughness that the product displays, it contributes to the better diffusion of light into the space, resulting in a brighter interior environment.

Packaging:

0.75lt
3lt
10lt



Shades

Available in white. It can be tinted in very light shades bases with Berling's tinting system.

The above information is based on laboratory audits and the long experience of the scientific staff of the company. The quality of the product is guaranteed by the company's operating system which is based on the requirements of ISO 9001, ISO 45001, ISO 14001 and the EMAS regulation. As producers we are not responsible for any damage or damage caused in the event that the product has not been used for the appropriate application and in accordance with its instructions for use.

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Technical Specifications



V.O.C	25gr/lt (Maximum Volatile Organic Compounds content ready for use).
Density	0,82 ± 0,03gr/cm ³ (ISO 2811).
Viscosity	>120 KU 25° C (ASTM D562)
pH	7.8-8.8
Coverage	8 -10m ² / lt per coat
Thinning	Thin with water at a percentage 15 - 20 % by volume.
Drying time	Touch dry: ½- 1h. Through dry: at least 24 hours. (The times may be longer depending on the temperature and humidity)
Recoating	In 4 to 6 hours (The times may be longer depending on the temperature and humidity)
Thermal Conductivity	0,143 W/mk*
Therma Diffusion	0,25 mm /s ² *
Special Heat Capacity	0,55 MJ/m K ³ *

*According to ASTM E903-96A, ASTM G159-98, ISO/DIS 22007-2.2

ACCORDING TO 2004/42/EK

PHASE II,
Subcategory a,
Matt coatings for
interior walls and
ceilings, Value limit
V.O.C.= 30gr/lt,
max VOC.=25gr/lt
(ready to use
product).



Storage

Storage indoors to avoid exposure to high or low surfaces and high humidity conditions. Avoid sources of heat, radiation, static electricity, and storage near food. Keep container tightly closed. After opening can use product in a short period of time. Close the can well.



Safety Instructions- Prevention of environmental harming

Minimize paint wastage by estimating how much paint you will need. Recover unused paint for reuse. Reuse of paint can effectively minimize the products life cycle environmental impact. Clean tools with water and soap. Do not put residual paint down the kitchen sink or toilet or into a waste bin. Empty cans with paint residues should be handled the same way and disposed according to local Regulations. You should ask for advice for the local government section responsible for the collection and disposal of waste. Ask for advice from an authorized body for waste recovery. Wear protective gloves and goggles/ Do not eat, drink when handling the product. Wash wand with suitable cleaning products. Keep out of reach of children. Always read the can label before use.
For further information ask for the Safety Data Sheet of the product.

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Recommended application systems



Interior walls

- **New surfaces**

Preparation

For perfect results is recommended to treat the surface with Stuco Grid plaster, following its application instructions.

STUCO GRID
2 coats

Primer

Prime with Acrylic Emulsion Primer or Plasterboard Primer, following their application instructions,

**ACRYLIC EMULSION PRIMER
or PLASTERBOARD PRIMER**
2 coats

Final coating

For a uniform and impressive result apply 3 coats of 3G THERMO INTERIOR following its application instructions.

3G THERMO INTERIOR
3 coats

- **Old-Already painted surfaces.**

Preparation

In case of all ready painted but healthy surfaces no special preparation is required. In case of treatment with putty, first rub the puttied surfaces using sandpaper.

Primer

In case of all ready painted but healthy surfaces no priming is required. For surfaces treated with putty, or chalked surfaces or surfaces painted with lime prime with Nature Aquafix or Berling Nanoprimer.

**NATURE AQUAFIX or
BERLING NANOPRIMER**
2 coats

Final coating

For a uniform and impressive result apply 3 coats of 3G THERMO INTERIOR following its application instructions.

3G THERMO INTERIOR
3 coats

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